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HUTR 92.04.11 : *WO 9321126-A1 L(2-A4, 2-G1) 3.10.281 C048 28.00			Making chimneys and chimney		
93-351577/44 L02 HUTR 92.04.11	HUELS TROISDORF AG **WO 9321126-A1	92,10,31 92DE-4236855 (+92DE-4212229) (93,10,28) C04B 28/00,	28/26 (C04B 14:10, 14:18, 18:08, 18:14, 28/00, 22:00, 18:10)	(CO4B 14:18, 28/26, CO6B 14:10)	1 cm describe tackens a confession and a most an acceptant and acceptant mountain
		,			

filler material with liq., water contg. wetting agent, mixing with stone forming component, pouring into mould and thermally KZ IK IU MG MN MW NI NO NZ PI PT RO RU SD SE SK UA US VN) R(AT BE CH DE DK ES FR GB GR IE IT IU MC NI OA PT SE C93-156006 N(AT AU BB BG BR CA CH CZ DE DK ES FI GB HU JP KP KR tow density inorganic moulaing produ. • by werting microporous hardening (Ger)

WILLICH DAEMMSTOFFE & ISOLIERSYSTEME GMB (WILL-) BE CH DE DK ES FR GB GR IE IT LU MC NI OA PT Addni. Data: HAACK T, RANDEL P

93.04.13 93WO-EP00900 93-328871/42

Method of producing a light, mainly inorganic moulding with a density below 400 kg/m³ consists of wetting a microporous retains its macrostructure; pouring into a mould; and press liquid, water-confaining wetting agent; mixing with a stonetogether with a liquid hardener so that the filler material filler material of powder density below 150 kg/m³ with a. forming component and optionally other solid components forming followed by removal and thermal hardening.

y parts using steel tubular

good alternating temp, strength, low thermal conductivity and has low The moulding has a high temp. strength, shrinkage at high temperature.

EMBODIMENTS

(3) ground calcined bauxite; and/or (4) electrofilter ash from lignite coal fire power stations; The stone-forming component consists of: (1) a fine (2) a glass-like, amorphous electrofilter ash; and/or oxide mixture of amorphous SiO2 and Al2O3; and/or

(5) undissolved, amorphous SiO2, esp. from an amorphous, dispersed powder, dehydrated or hydrated silicic said; and/or and/or

The hardener is an alkali silicate solution with 1.2-3 mol  $SiO_2$  per mol  $K_2O$  and/or  $Na_2O$  and a density of 1.4-1.7 kg/dm<sup>3</sup>. (6) meta kaolin.

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A surfactant and a turbity agent may also be added to the mixture. The latter is pref. a vegetable ash such as rice shell ash. The filler material is pref. expanded vermiculite and/or pearlite.

The mixture is pressed in a mould to reduce the volume to 20-80, pref. 30-50% of the starting volume using a

pressure of 1-4 bar.

The mould is preheated to 40-250, pref. 100-170°C and after pressing is removed from the mould within 3 min. It; is then hardened at 40-300, pref. 100-200°C. (19pp1678KGDwgNo0/1).

SR:1.Jnl.Ref EP199941 EP417583 EP494015 JP03122068 WO8905783

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